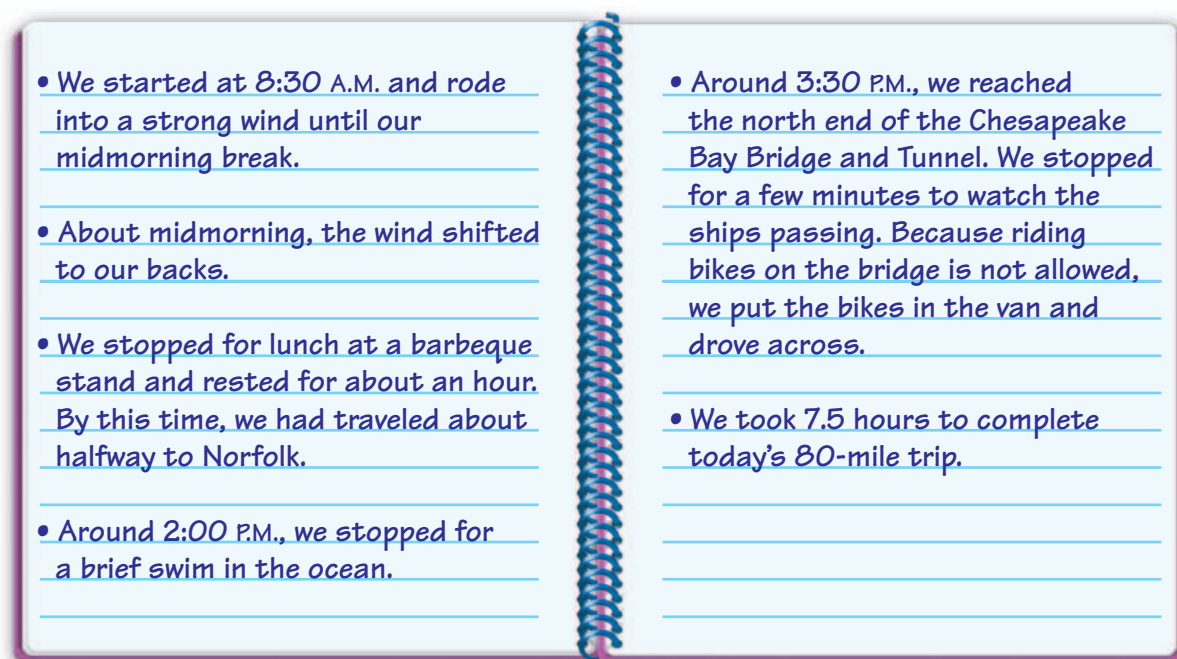


1.5

Day 3: Chincoteague Island to Norfolk

On Day 3, the group travels from Chincoteague Island to Norfolk, Virginia. Malcolm and Tony ride in the van. They forget to record the distance traveled each half hour, but they do write some notes about the trip.



Problem 1.5 Finding Average Speed

- Make a table of (*time, distance*) data that reasonably fits the information in Malcolm and Tony's notes.
- Sketch a coordinate graph that shows the same information.
- Explain how you used each of the six notes to make your table and graph.
- The riders traveled 80 miles in 7.5 hours. Suppose they had traveled at a constant speed for the entire trip. This constant speed would be the same as the *average speed* of the real trip. What was the average speed for this trip?
- Suppose you made a (*time, distance*) graph for a rider who made the entire 7.5-hour trip traveling at the average speed you found in Question D. What would the graph look like? How would it compare with the graph you made in Question B?

ACE Homework starts on page 15.